FIELD SANITATION TEAM CERTIFICATION COURSE

LESSON 9 - MANAGEMENT OF ARTHROPODS THROUGH NON-CHEMICAL (SANITATION) AND CHEMICAL PRACTICES

FSTCC0009-1

Lesson Objectives (1)

- Identify non-chemical (sanitation) methods of controlling arthropods.
- Identify properties of pesticides.
- Identify the factors to consider when assessing the risk associated with the use of pesticides.
- Identify safety precautions associated with the use of pesticides.

Lesson Objectives (2)

- Describe disposal methods for pesticides and their containers.
- Select, in order, the steps required to prepare the 2-gallon sprayer for use.
- Select, in order, the steps required to operate the 2-gallon sprayer.
- List the measures taken to maintain the 2-gallon sprayer.

Sanitation Practices

- ***These are the non-chemical means of controlling pests.***

Rodent Control

- Rodents carry many different parasites.

Waste Disposal

- Proper waste disposal is essential to controlling flies and roaches.

Animal Nesting/Feeding Areas

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Chemical Practices

- These procedures should only be used to AUGMENT proper sanitation practices.

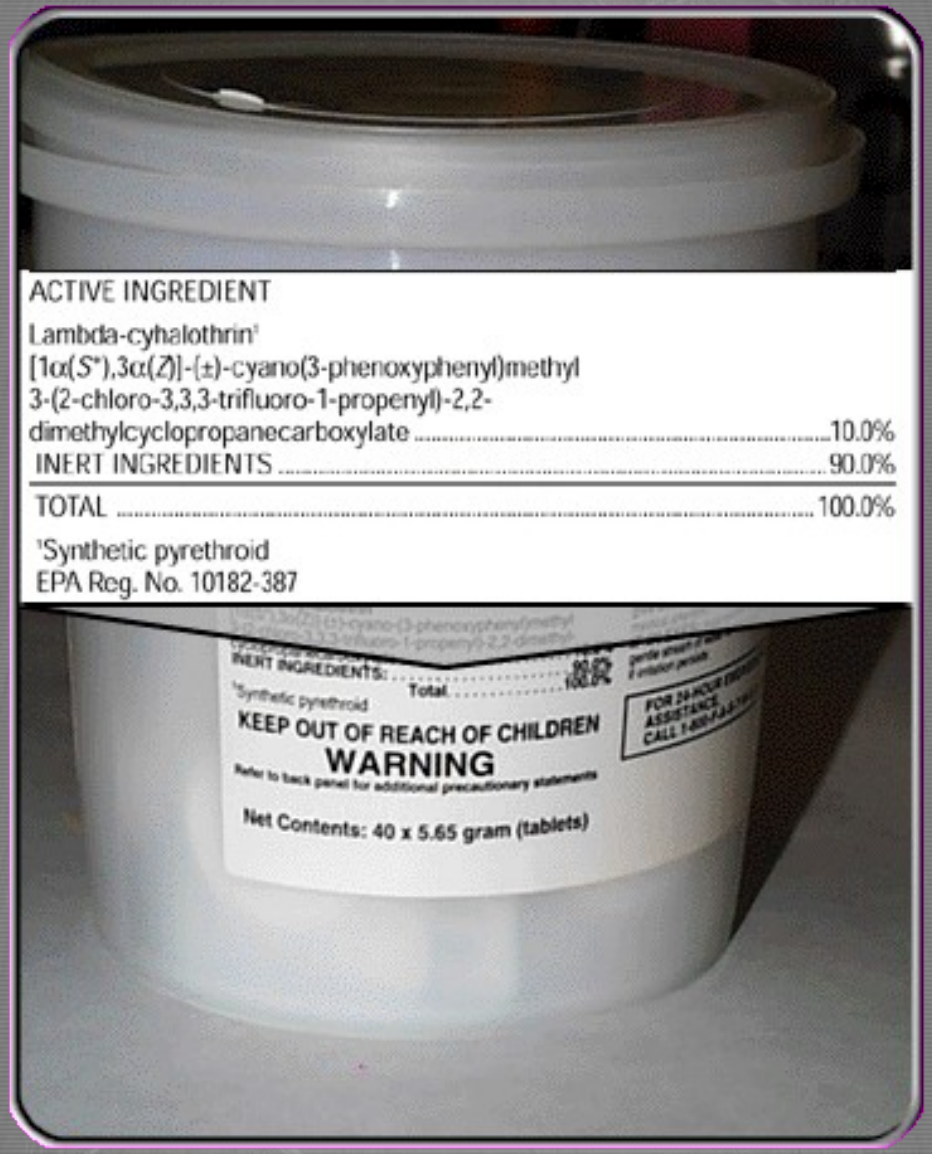
Properties of Pesticides

Pesticides

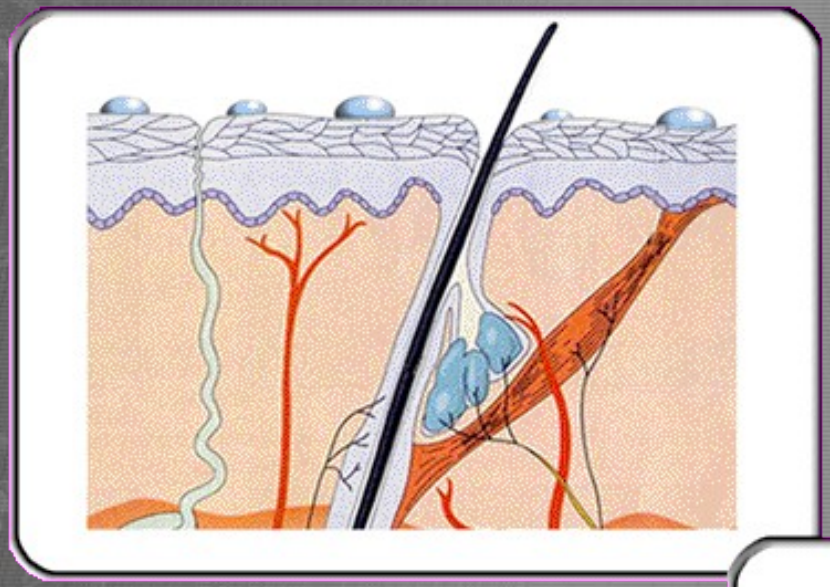
- Are toxic.
- Are often mixed with solvents.
- Can be absorbed through the skin.

Pesticides are Toxic

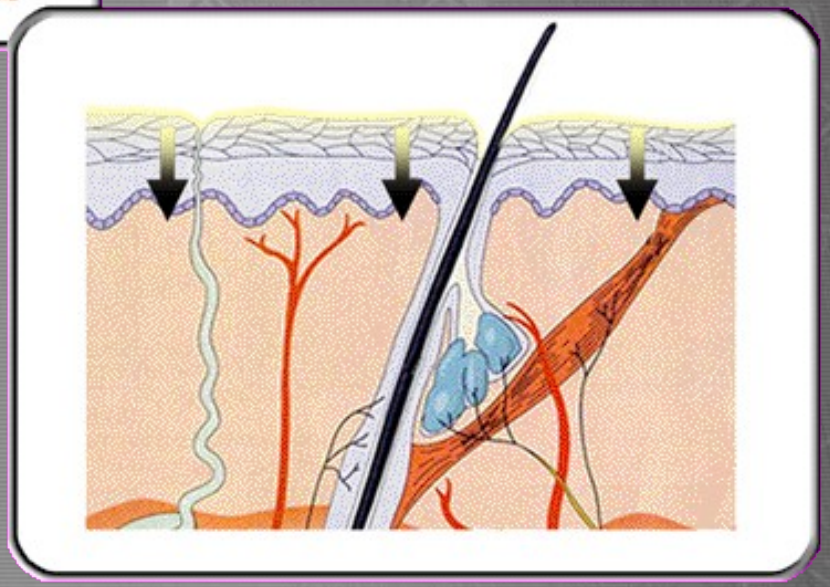
Pesticides and Solvents



Pesticide Absorption



Skin repels water



...but absorbs oils.

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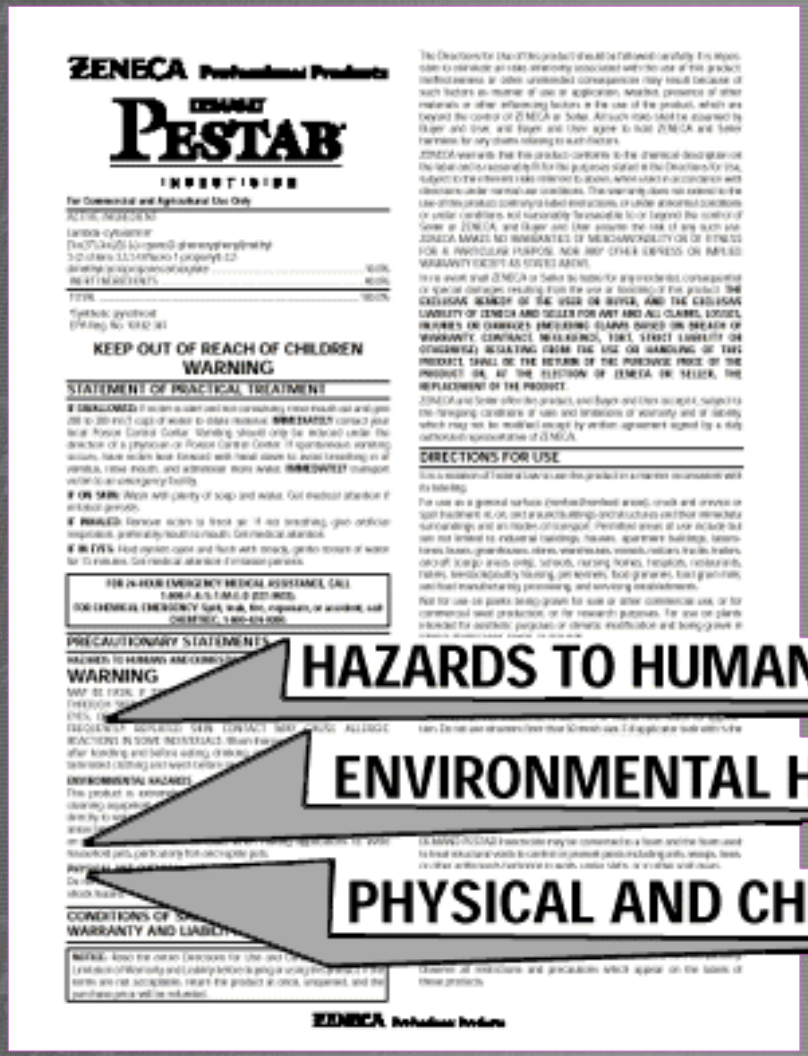
Estimate the Hazard



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WARNING

STATEMENT OF PRACTICAL TREATMENT

DIRECTIONS FOR USE

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HAZARDS TO HUMANS AND DOMESTIC ANIMALS

ENVIRONMENTAL HAZARDS

PHYSICAL AND CHEMICAL HAZARDS

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Safety Precautions

ZENECA Professional Products

PESTAB

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

PRECAUTIONARY STATEMENTS

WARNING

ENVIRONMENTAL HAZARDS

PHYSICAL AND CHEMICAL HAZARDS

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

DIRECTIONS FOR USE

Disposal of Pesticide Containers

- Triple-rinse the container.
- Crush or puncture it so it can't be reused.

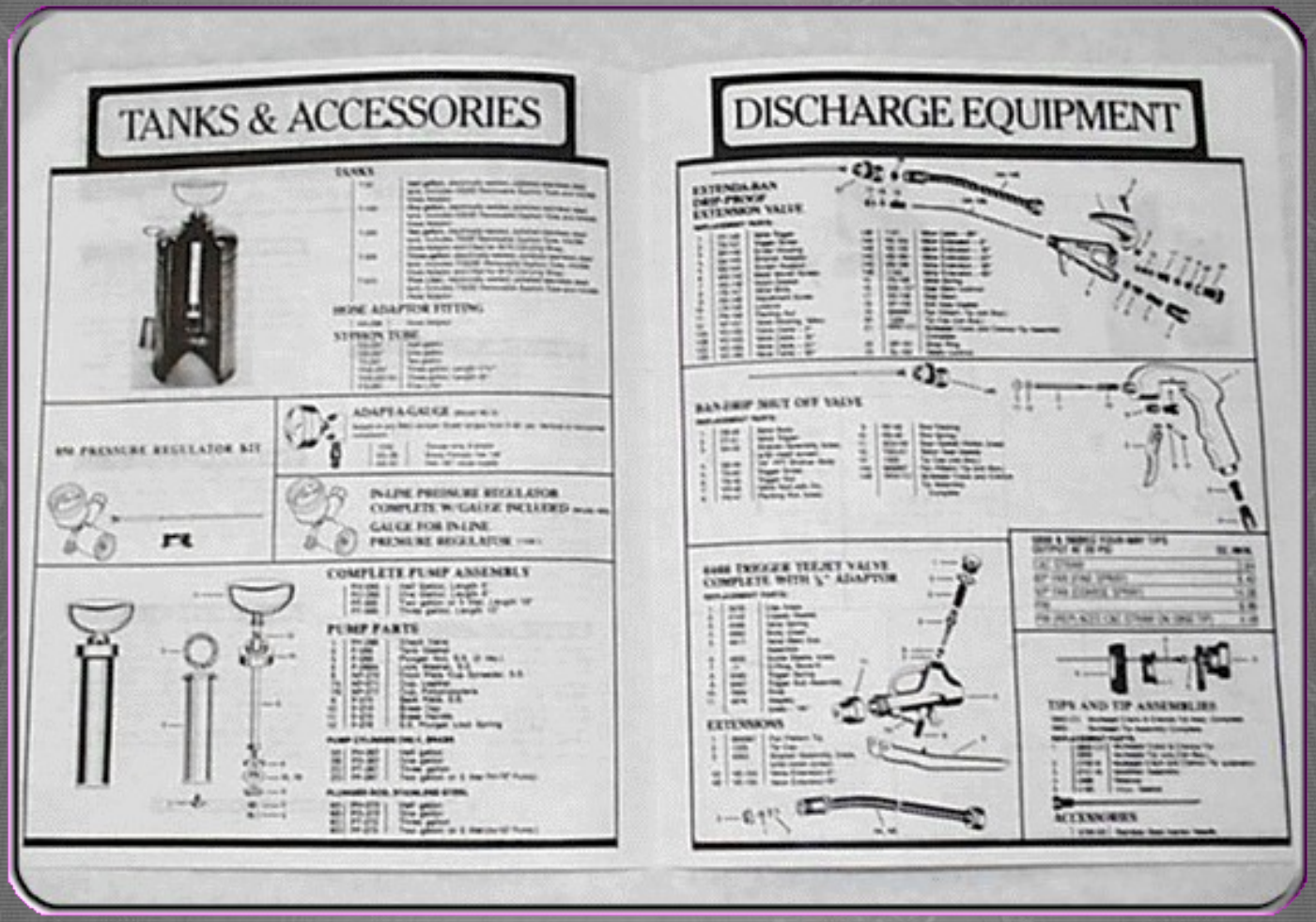
Triple-rinse Procedure

- Fill container with water.
- Pour rinse water into 2-gallon sprayer.
- Repeat two more times.

Using the 2-gallon Sprayer

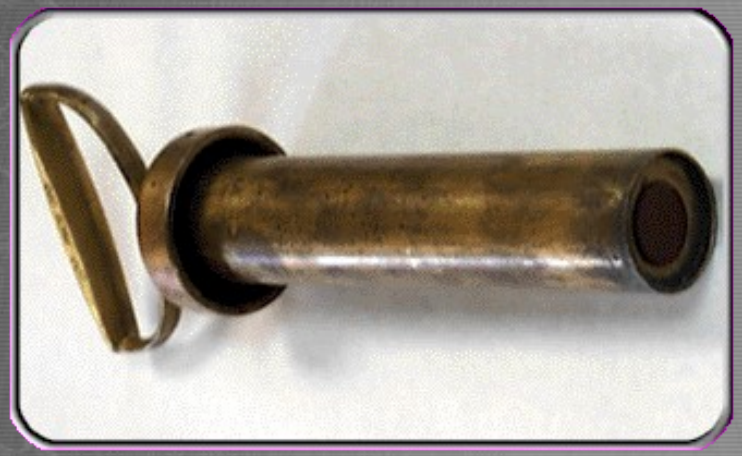
- This sprayer comes in 1- or 2-gallon capacities.

Sprayer Components - Instructions



- *Retain the instructions for operation and maintenance procedures.*

Sprayer Components - Spare Parts



- *Always have 3 sets of spare parts on hand.*

Sprayer Components - Pressure Gauge

- Newer models come equipped with pressure gauges.
- You can order pressure gauges for older models.

Prepare to Spray - Step 1

- Mix the pesticide right in the sprayer.
- Be sure to follow all label instructions.

Prepare to Spray - Step 2

- **Select the nozzle that suits your needs.**

Solid Stream Nozzle

- Best suited for treating cracks and crevices.

Hollow Cone Nozzle

- ***Best suited for treating large areas that need light coverage.***

Full Cone Nozzle

- Best suited for treating large areas that need heavy coverage.

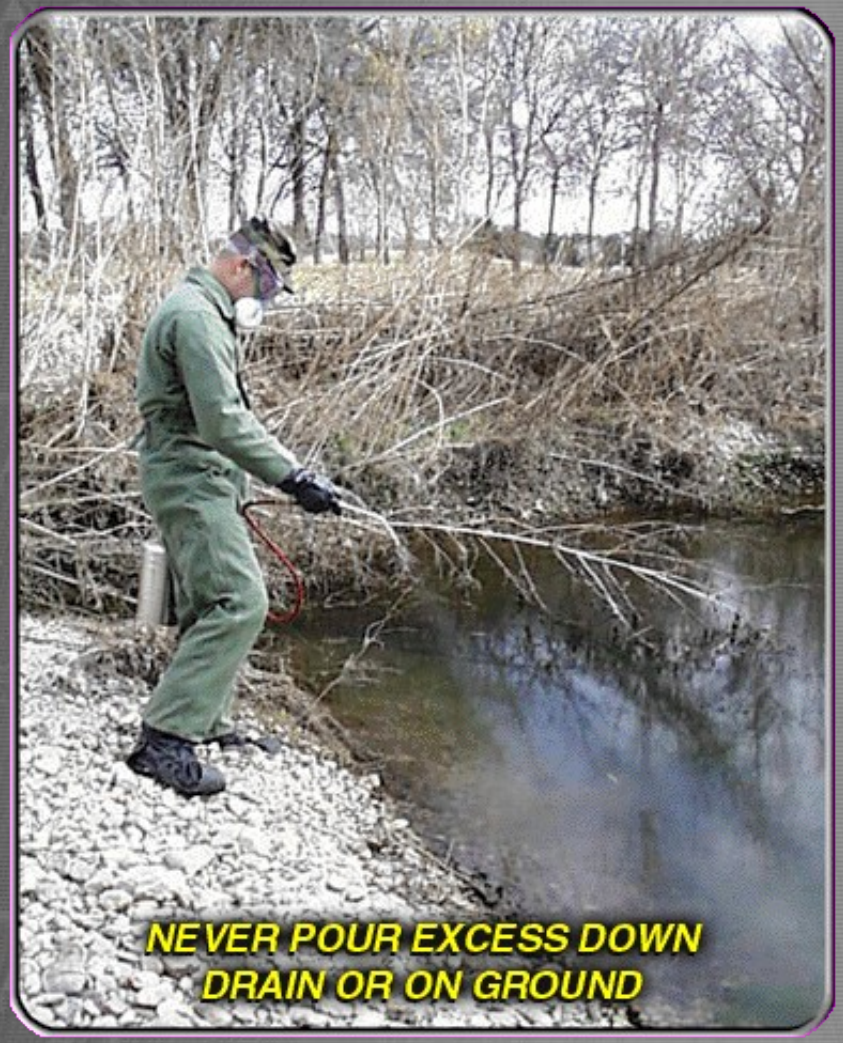
Flat Fan Nozzle

- *Best suited for treating flat surfaces that need even coverage.*

Prepare to Spray - Step 3

- Pressurize the sprayer to 40 psi.

Sprayer Operation



- Move the wand in a sweeping motion for even coverage and to minimize run-off.

Sprayer Maintenance

- Sprayer maintenance is an operator responsibility.

Sprayer Maintenance - Step 1

- Rinse the sprayer after each use.
- Spray rinse water over treated area.

Sprayer Maintenance - Step 2

- *Wipe the outside of the sprayer to prevent corrosion.*

Sprayer Maintenance - Step 3

- Replace worn parts as needed.

Demonstration - Maintenance Procedures

1 Remove cylinder

5 Pump and check valve

2 Remove cylinder valve

3 Clean dirt

4 Replace valve

SUMMARY